

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 May 2004 (06.05.2004)

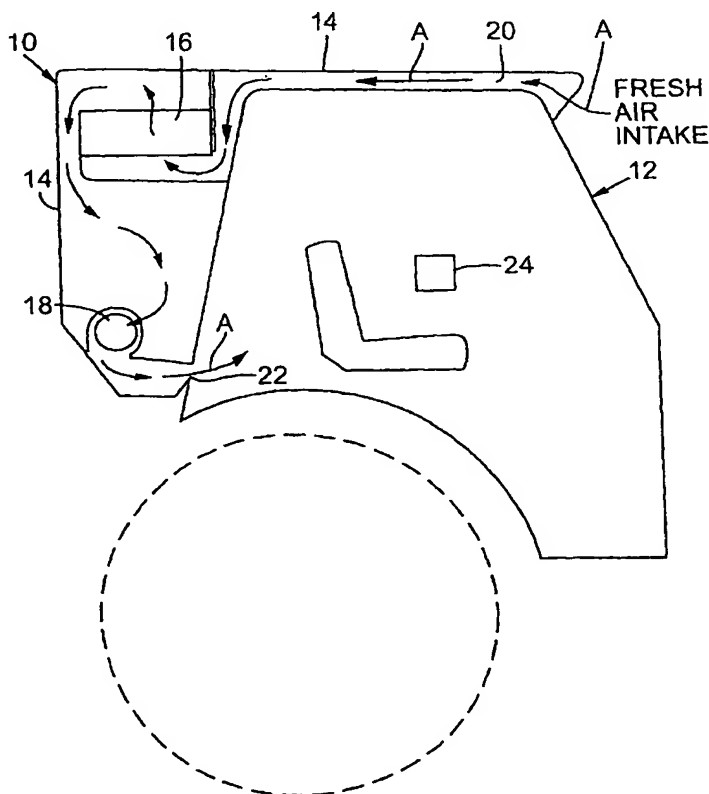
PCT

(10) International Publication Number  
**WO 2004/038358 A3**

- (51) International Patent Classification<sup>7</sup>: **G01M 3/20** **CLEAN AIR FILTER** [US/US]; 212 Main Avenue, P.O. Box 212, Defiance, IA 51527-0212 (US).
- (21) International Application Number: **PCT/US2003/033506** (72) Inventors; and
- (22) International Filing Date: 22 October 2003 (22.10.2003) (75) Inventors/Applicants (for US only): **ORGANISCAK, John, A.** [US/US]; 504 Valley View Road, Eighty Four, PA 15330 (US). **SCHMITZ, Michael** [US/US]; 2149 Ironwood Road, Defiance, IA 51527 (US).
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/421,593 24 October 2002 (24.10.2002) US (74) Agent: **NOONAN, William, D.**; Klarquist Sparkman, LLP, One World Trade Center, 121 S.W. Salmon Street, Suite 1600, Portland, OR 97204 (US).
- (71) Applicants (for all designated States except US): **THE GOVERNMENT OF THE UNITED STATES OF AMERICA** as represented by **THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, CENTERS FOR DISEASE CONTROL AND PREVENTION** [US/US]; Technology Transfer Office, 4770 Buford Highway (K79), Atlanta, GA 30341 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR LEAK TESTING AN ENVIRONMENTAL ENCLOSURE



(57) Abstract: Methods and apparatus are disclosed for leak testing the ventilation system (10) of an environmental enclosure using a gas that is naturally present in ambient air, such as nitrogen, oxygen, argon, or carbon dioxide, as a tracer gas. In one embodiment, a gas filter (16) capable of filtering all of the tracer gas from the air flowing through the filter (16) is installed in the ventilation system (10). Testing is performed by operating the ventilation system (10) to cause outside air to flow through the filter (16) and into the enclosure (12) so as to establish positive pressurization inside the enclosure (12). A gas monitor (24) placed inside the enclosure (12) is used to detect for the presence of leaks in the ventilation system (10) by monitoring the concentration of the tracer gas inside the enclosure (12).



(84) **Designated States (regional):** ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) **Date of publication of the international search report:**

13 January 2005

**Declaration under Rule 4.17:**

- *of inventorship (Rule 4.17(iv)) for US only*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/33506

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 GO1M3/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 GO1M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

15 November 2004

Date of mailing of the international search report

19/11/2004

Name and mailing address of the ISA

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International Application No

PCT/US 03/33506

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